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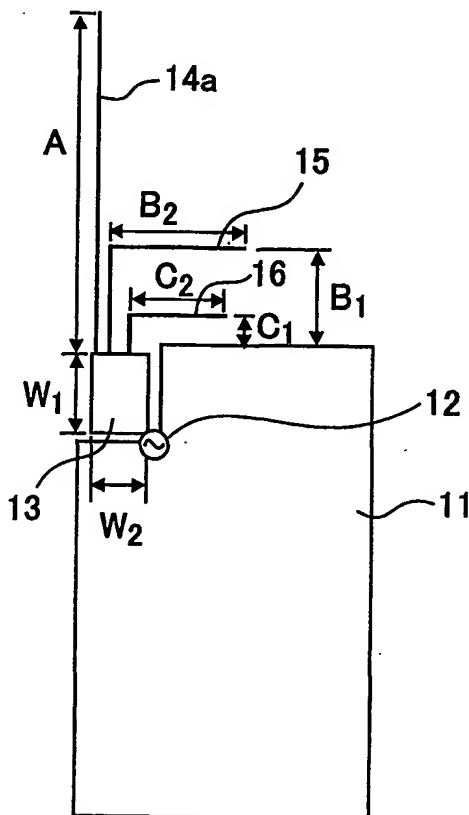
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— 国際調査報告書
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- 2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: ANTENNA ELEMENT AND MOBILE TELEPHONE DEVICE

(54) 発明の名称: アンテナ素子および携帯電話機



(57) Abstract: A plurality of mono-pole antennas and linear antennas respectively having a predetermined electric length are connected to a plate-shaped antenna in series with respect to a power supply point via which the plate-shaped antenna is connected to a ground substrate. Thus, each antenna has one power supply point and it is possible to obtain an antenna element having a wide band performance and a plural resonance performance.

(57) 要約: 一の給電点を介してグランド基板と接続された板状アンテナに、それぞれ所定の電氣的長さを持ったモノポールアンテナおよび線状アンテナ複数を経由して給電点に対して直列に接続することで各アンテナの給電点を一つとし、これにより広帯域性能、複数共振性能を持ったアンテナ素子を得るものである。

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/08543

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H01Q5/01, 1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H01Q5/01, 1/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/80367 A1 (Mitsubishi Electric Corp.), 25 October, 2001 (25.10.01), Full text; all drawings & EP 1280233 A1	1-8
Y	JP 2002-171126 A (Mitsubishi Electric Corp.), 14 June, 2002 (14.06.02), Full text; all drawings (Family: none)	1-8
Y	JP 2003-8319 A (Samsung Electronics Co., Ltd.), 10 January, 2003 (10.01.03), Full text; all drawings (Family: none)	1-8

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search
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INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/13312 A1 (Matsushita Electric Industrial Co., Ltd.), 14 February, 2002 (14.02.02), Full text; all drawings & EP 1306923 A1	1-8
A	JP 2003-87043 A (Toshiba Corp.), 20 March, 2003 (20.03.03), Full text; all drawings (Family: none)	1-8
A	JP 62-34407 A (Fujitsu Ltd.), 14 February, 1987 (14.02.87), Full text; all drawings (Family: none)	1-8

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